

IN THE CLAIMS:

Please AMEND claim 16, 18 and 20, as follows. For the Examiner's convenience, all claims currently pending in this application have been reproduced below:

1-15. (Cancelled)

16. (Currently Amended) An anti-vibration apparatus comprising:

a table;

a pneumatic spring for applying a force to said table;

an electromagnetic actuator for applying a force to said table; and

a first generator which generates a driving signal for said electromagnetic actuator

based on at least one of a target position and a target speed ~~with respect to a movable object on~~ of
a movable object which is supported by said table and movable relative to said table.

17. (Previously Presented) An apparatus according to claim 16, further comprising a second generator which generates a signal for changing a pressure in said pneumatic spring based on at least one of the target position and the target speed.

18. (Currently Amended) An apparatus according to claim 16, wherein said first generator includes a filter which filters a signal ~~with respect~~ corresponding to at least one of the target position and the target speed.

19. (Previously Presented) An apparatus according to claim 18, wherein a cutoff frequency of said filter has a value within a controllable frequency range of said pneumatic spring.

20. (Currently Amended) An apparatus according to claim 17, wherein said second generator includes a filter which filters a signal ~~with respect~~ corresponding to at least one of the target position and the target speed.

21. (Previously Presented) An apparatus according to claim 20, wherein a cutoff frequency of said filter has a value within a controllable frequency range of said pneumatic spring.

22. (Previously Presented) An exposure apparatus for exposing a substrate to a pattern, said apparatus comprising an anti-vibration apparatus defined in claim 16.

23. (Previously Presented) An apparatus according to claim 22, further comprising a movable stage as the movable object.

24. (Previously Presented) A device manufacturing method comprising:
a step of exposing a substrate to a pattern using an anti-vibration apparatus defined in claim 16.

25. (Previously Presented) A device manufacturing method comprising:

a step of exposing a substrate to a pattern using an exposure apparatus defined in

claim 22.